

IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

PATENT APPLICATION

Applicants: Blake A. SIMMONS, Robert CROCKER,
Paul Michael DENTINGER, Marion Catherine HUNTER,
Kamlesh PATEL, Jonathan SALA

Atty. Doc.: Sandia-2 (SD8475, SD8485)

Serial No.: Filed:

Group Art Unit: Confirmation No.:

Examiner:

Title: POLYMERIZATION WELDING AND APPLICATION TO
MICROFLUIDICS

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

S I R:

DISCLOSURE STATEMENT

The applicants respectfully request that the following references be considered in the examination of the above-identified application. A copy of each reference is enclosed.

United States Published Patent Applications

<u>Publication Number</u>	<u>Inventor</u>	<u>Date Published</u>	<u>Class</u>
AA. 2003/0156992	Anderson et al	Aug. 21, 2003	422/100
AB. 2003/0150792	Kochler et al	Aug. 14, 2003	210/321
AC. 2003/0150555	Grandhi et al	Aug. 14, 2003	156/292
AD. 2003/0145886	Paul et al	Aug. 7, 2003	137/98
AE. 2002/0195152	Fernandes et al	Dec. 26, 2002	137/803

AF. 2002/0176804	Strand et al	Nov. 28, 2002	422/100
AG. 2002/0052448	Wang et al	May 2, 2002	525/242
AH. 2002/0045054	Uhara et al	Apr. 18, 2002	428/473

United States Patents

<u>Patent Number</u>	<u>Inventor</u>	<u>Date Issued</u>	<u>Class</u>
AI. 6,602,791	Ouellet et al	Aug. 5, 2003	438/696
AJ. 6,592,696	Burdon et al	Jul. 15, 2003	156/89.12
AK. 6,582,251	Burke et al	Jun. 24, 2003	439/589
AL. 6,572,830	Burdon et al	Jun. 3, 2003	422/186.29
AM. 6,572,749	Paul et al	Jun. 3, 2003	204/450
AN. 6,555,067	Gandhi et al	Apr. 29, 2003	422/99
AO. 6,537,468	Hata et al	Mar. 25, 2003	252/511
AP. 6,537,437	Galambos et al	Mar. 25, 2003	204/600
AQ. 6,534,013	Kennedy	Mar. 18, 2003	422/99
AR. 6,495,127	Wallace et al	Dec. 17, 2002	424/78.03
AS. 6,495,015	Schoeniger et al	Dec. 17, 2002	204/600
AT. 6,447,918	Gervasi et al	Sep. 10, 2002	428/421
AU. 6,431,476	Taylor et al	Aug. 13, 2002	241/1
AV. 6,355,735	Wagner et al	Mar. 12, 2002	525/320
AW. 6,352,266	Rigoli	Mar. 5, 2002	277/628
AX. 6,331,578	Turner et al	Dec. 18, 2001	523/105
AY. 6,319,476	Victor, Jr. et al	Nov. 20, 2001	422/103
AZ. 6,301,931	Swierkowski et al	Oct. 16, 2001	65/36
BA. 6,284,089	Anderson et al	Sept. 4, 2001	156/304.3
BB. 6,277,257	Paul et al	Aug. 21, 2001	204/450
BC. 6,251,965	Wang et al	Jun. 26, 2001	523/107
BD. 6,238,688	Wu et al	May 29, 2001	424/426
BE. 6,224,893	Langer et al	May 1, 2001	424/423
BF. 6,210,986	Arnold et al	Apr. 3, 2001	438/42
BG. 6,123,798	Gandhi et al	Sep. 26, 2000	156/292
BH. 6,103,375	Birnholz et al	Aug. 15, 2000	428/391
BI. 6,086,740	Kennedy	Jul. 11, 2000	204/601

BJ. 6,048,498	Kennedy	Apr. 11, 2000	422/99
BK. 6,019,882	Paul et al	Feb. 1, 2000	204/450
BL. 6,013,164	Paul et al	Jan. 11, 2000	402/450
BM. 5,876,675	Kennedy	Mar. 2, 1999	422/99
BN. 4,007,322	House	Feb. 8, 1977	526/292

PCT Published Patent Application

<u>Publication Number</u>	<u>Publication Date</u>
BO. WO 98/08549	March 5, 1998

Publication

BP. Sung et al, "Polysiloxane modified epoxy networks (III) strain-induced crystallization of jointed interpenetrating polymer networks in fracture mode", Polymer, Vol. 39, No. 26, pp. 7033-7039, 1998.

REMARKS

Under rule 37 C.F.R. 1.98(a) (effective March 16, 1992), since all of the above-cited references are in the English language, the applicants submit that no specific comments are necessary for any of these.

For the Examiner's convenience, the applicants have attached a completed Form PTO/SB/08A&B hereto.

Respectfully submitted,

November 11, 2003



Peter L. Michaelson, Attorney
Reg. No. 30,090
Customer No. 007265
(732) 530-6671

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	
		Filing Date	
		First Named Inventor	Blake A. SIMMONS
		Art Unit	
		Examiner Name	
Sheet 1 of 3	Attorney Docket Number	Sandia-2(SD8475,SD8485)	

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	AA.	2003/0156992	Aug. 21, 2003	Anderson et al	
	AB.	2003/0150792	Aug. 14, 2003	Kochler et al	
	AC.	2003/0150555	Aug. 14, 2003	Grandhi et al	
	AD.	2003/0145886	Aug. 7, 2003	Paul et al	
	AE.	2002/0195152	Dec. 26, 2002	Fernandes et al	
	AF.	2002/0176804	Nov. 28, 2002	Strand et al	
	AG.	2002/0052448	May 2, 2002	Wang et al	
	AH.	2002/0045054	Apr. 18, 2002	Uhara et al	
	AI.	6,602,791	Aug. 5, 2003	Ouellet et al	
	AJ.	6,592,696	Jul. 15, 2003	Burdon et al	
	AK.	6,582,251	Jun. 24, 2003	Burke et al	
	AL.	6,572,830	Jun. 3, 2003	Burdon et al	
	AM.	6,572,749	Jun. 3, 2003	Paul et al	
	AN.	6,555,067	Apr. 29, 2003	Gandhi et al	
	AO.	6,537,468	Mar. 25, 2003	Hata et al	
	AP.	6,537,437	Mar. 25, 2003	Galambos et al	
	AQ.	6,534,013	Mar. 18, 2003	Kennedy	
	AR.	6,495,127	Dec. 17, 2002	Wallace et al	
	AS.	6,495,015	Dec. 17, 2002	Schoeniger et al	
	AT.	6,447,918	Sep. 10, 2002	Gervasi et al	
	AU.	6,431,476	Aug. 13, 2002	Taylor et al	
	AV.	6,355,735	Mar. 12, 2002	Wagner et al	
	AW.	6,352,266	Mar. 5, 2002	Rigoli	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)		MM-DD-YYYY			
	BO.	WO	98/08549	March 5, 1998			

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO <div style="text-align: center; font-weight: bold; font-size: 1.2em;"> INFORMATION DISCLOSURE STATEMENT BY APPLICANT </div> <div style="text-align: center; font-style: italic; font-size: 0.8em;"> (Use as many sheets as necessary) </div>		<div style="text-align: center; font-weight: bold; font-size: 1.1em;"> Complete if Known </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td style="width: 50%;"></td> </tr> <tr> <td>Filing Date</td> <td></td> </tr> <tr> <td>First Named Inventor</td> <td>Blake A. SIMMONS</td> </tr> <tr> <td>Art Unit</td> <td></td> </tr> <tr> <td>Examiner Name</td> <td></td> </tr> <tr> <td>Attorney Docket Number</td> <td>Sandia-2(SD8475,SD8485)</td> </tr> </table>		Application Number		Filing Date		First Named Inventor	Blake A. SIMMONS	Art Unit		Examiner Name		Attorney Docket Number	Sandia-2(SD8475,SD8485)
Application Number															
Filing Date															
First Named Inventor	Blake A. SIMMONS														
Art Unit															
Examiner Name															
Attorney Docket Number	Sandia-2(SD8475,SD8485)														

[illegible][illegible]

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<p>Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.</p> <p>Substitute for form 1449/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p><i>(Use as many sheets as necessary)</i></p>				Complete if Known	
				Application Number	
				Filing Date	
				First Named Inventor	Blake A. SIMMONS
				Art Unit	
				Examiner Name	
Sheet 3		of 3	Attorney Docket Number	Sandia-2(SD8475,SD8485)	

[illegible]

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to protect or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:**

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.